



# PLATINUM SHINES BRIGHT

Mineralisation at Red Hill and other prospects in the Broken Hill area are exceptional, even on a global scale.

**RAY CHAN**

**P**latinum is shining bright for WA-based Impact Minerals, with promising new discoveries made amid prevailing record prices for the commodity.

High grades of the rare platinum group elements (PGE) rhodium, iridium, osmium and ruthenium have been returned from new assays from seven previously drilled diamond drill holes at the Red Hill prospect within Impact's 100%-owned Broken Hill Project in NSW.

The drill holes had previously only been assayed for palladium and platinum, with a total of 12 out of the 13 drill holes completed returning robust widths and grades of these two PGEs, together with significant gold, copper, nickel, cobalt and silver credits.

In the current exploration, the seven holes with high grades of palladium and platinum were selected for full-suite PGE analysis by fire assay (with nickel sulphide collection) for rhodium, iridium, osmium, ruthenium, palladium, platinum and gold.

The particular holes were selected because they intersected up and down-dip extensions of the previously reported spectacular intercept from RHD012, which had returned 3.5m at 162.4g/t (5.3oz) 7PGE including a vein of very high grade mineralisation that returned 1.2m at 335.8 g/t (10.8oz) 7PGE.

Among the current standout results, Hole RHD008 returned 29m at 10.9 g/t 7PGM comprising 0.8 g/t rhodium, 0.9 g/t iridium, 0.8 g/t osmium, 0.8 g/t ruthenium, 5.1 g/t palladium, 2.5 g/t platinum and 0.4 g/t gold, 2.3% copper, 0.4% nickel and 58 g/t silver from surface.

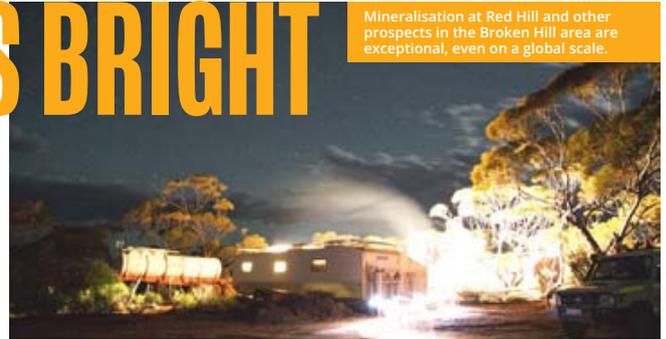
This intercept also included two veins of very high grade mineralisation that returned 0.6m at 34.5 g/t (1.1oz) 7PGM, comprising 7.2 g/t rhodium, 7 g/t iridium, 5.2 g/t osmium, 3.8 g/t ruthenium, 4 g/t palladium, 7.9 g/t platinum, 0.07 g/t gold, 5.2% copper, 1.2% nickel and 8 g/t silver from 13m; and 0.65m at 54.5 g/t (1.7oz) 7GM comprising 0.9 g/t rhodium, 1.2 g/t iridium, 0.9 g/t osmium, 0.5 ruthenium, 29.7 g/t palladium, 19.2 g/t platinum, 2.1 g/t gold, 12.2% copper, 0.5% nickel and 147 g/t silver from 27.7m.

Impact managing director Mike Jones said the extensive nature of the rare platinum group metals in the seven drill holes suggests it is likely that the other five mineralised holes drilled at Red Hill will also contain the same metals.

"These new PGE results confirm again that the mineralisation at Red Hill and other prospects in the Broken Hill area such as Platinum Springs and Little Darling Creek, is exceptional even on a global scale," he said.

"This is because it is unusual to get such high grades of all the PGE's together, and in addition it also contains gold."

"Previous work by Impact has shown



that this is because the parent magmas are sourced from the deep mantle and were intruded into the middle to upper crust during the break-up of the supercontinent Rodinia about 800m years ago.

"At this time Broken Hill was close to Jinchuan in China, one of world's major nickel-copper-PGE deposits, and which is of the same age as the ultramafic intrusions at Red Hill and Platinum Springs.

"Accordingly Impact views the Broken Hill province as having exceptional prospectivity for magmatic nickel-copper sulphides."

At Red Hill, the mineralisation comprises variably weathered sulphide mineralisation hosted in veins and faults associated with ultramafic dykes and brittle felsic pegmatites.

The dykes are interpreted as apophyses from the main Red Hill intrusion and future exploration will focus on tracking the dykes back towards the intrusion at depth. The mineralisation extends over a strike length of at least 100m and

down to a depth of about 60m below surface.

**ABOUT PGEs**

The rare PGEs are used in many specialist hard-wearing metal alloys, electronics and for catalytic converters.

Given the recent increase in the demand and price for many of the platinum group elements, palladium and rhodium in particular, the new assays upgrade the overall tenor of mineralisation at the project and may have a material positive effect on the economics of any future development of the project. **AMR**

METAL	US\$/oz	Aus\$/oz
Rhodium	6700	10,000
Iridium	155	2444
Osmium	400	637
Ruthenium	270	420
Palladium	1750	2720
Platinum	780	1210
Gold	1700	2642